Atty Docket No. SMS001/135211

Preliminary Classification: Proposed Class:

Subclass:

NOTE:

"All applicants are requested to include a preliminary classification an newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand comer of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129-' "MPEP § 601, 7th ed.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application **Commissioner for Patents** P. O. Box 1450 Alexandria, VA 22313-1450

### NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s):

Marguerite Sallas Alica McCarrell

**WARNING:** 

37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors

The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17C) is filed supplying or changing the name or names of the inventor or inventors.

For (title):

INFANT PANTS HAVING KNEE POCKETS AND REPLACEABLE KNEE

**PADS** 

EXPRESS MAILING UNDER 37 C.F.R. § 1.10\* (Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL 974223897 US, addressed to: Mail Stop Patent, Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Date: 5-22=04

Signature:

**WARNING:** 

Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

\*WARNING:

Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label

placed thereon prior to mailing- 37 C.F.R. 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition. "Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

1.		be of Application s new application is for a(n) (check one applicable item below)	
		Original (non provisional) Design Plant	
WARNIN WARNIN		Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 371(c)(4), unless the International Application is being fled as a divisional, continuation or continuation-in-part application.  Do not use this transmittal for the fling of a provisional application.	
NOTE:		If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.	
		Divisional. Continuation. Continuation-in-part (C-I-P-)	
2.	Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)		
NOTE:	disci State inter leasi of th	nonprovisional application or international application designating the United States of America may claim an invention losed in one or more prior-filed co-pending nonprovisional applications or international applications designating the United so of America. In order for an application to claim the benefit of a prior-filed co-pending nonprovisional application or unational application designating the United States of America, each prior-filed application must name as an inventor a one inventor named in the later-fled application and disclose the named inventor's invention claimed in at least one claim the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed ication must be:	
	(i) (ii) (iii) (iv)	An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or Complete as set forth in § 1.51(b), or Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).	
37 C.F	r.R.	§ 1.78(a)(1).	
WARNIN	VG:	If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c) the 20-year term of that application will be based upon the fling date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b). For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.	
WARNIN	G:	37 C.F.R. § I- 78(a)(2) deals with the time in which the claim for the benefit of an earlier filing date must be made and states:	
		"(2)(i) Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application of international application designating the United States of America claiming the benefit of one or more prior-filed copending nonprovisional applications or international applications designating the United States at America must contain or be amended to contain a reference to each such prior-filed application filting the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross references to other relationship of the applications.	

(ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed application. If the later-filed application is a nonprovisional application: which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date an which the national stage commenced under 35 U.S.C. 371 (b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed application. These time periods are not extendable. Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120

and paragraph (a)(2)(i) of this section is considered a waiver of any benefit under 35 U.S. C. 126, 121, or 365(c) to such prior-filed application. The time periods in this paragraph do not apply if the later-filed application is:

(A) An application for a design patent;

- (B) An application filed under 35 U.S.C. 111 (a) before November 29, 2000; or
- (C) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2060.

(iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title.

(iv) The request for a continued prosecution application under § 1.53(d) is the specific reference required by 35 U.S.C. 120 to the prior-filed application. The identification of an application by application number under this section is the identification of every application assigned that application number necessary for a specific reference required by 35 U.S.C. 120 to every such application assigned that application number."

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

### 3. Papers Enclosed

- A. Required for filing date under 37 C.F.R. § 1.53(0) (Regular) or 37 C.F.R. § 1.153 (Design) Application
  - 8 Pages of specification
  - 2 Pages of claims
  - 2 Sheets of drawing

**WARNING**:

DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identification of drawings. Identifying indicia, if provided, should include the title of the invention, inventor's name and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin."

### (complete the following, if applicable)

NOTE: 37 C.F.R. 1.84

"(b) Photographs.

"(1) Black and white. Photographs, including photocopies of photographs, are not ordinarily permitted in utility and design patent applications. The Office will accept photographs in utility and design patent applications, however, if photographs are the only practicable medium for illustrating the claimed invention. For example, photographs or photomicrographs of electrophoresis gels, blots (e.g., immunological, western, Southern, and northern), auto radiographs, cell cultures (stained and unstained), histological tissue cross sections (stained and unstained), animals, plants, in vivo imaging, thin layer chromatography plates, crystalline structures, and, in a design patent application, ornamental effects, are acceptable. If the subject matter of the application admits of illustration by a drawing, the examiner may require a drawing in place of the photograph. The photographs must be of sufficient quality so that all details in the photographs are reproducible in the printed patent.

"(2) Color photographs. Color photographs will be accepted in utility and design patent applications if the conditions for accepting color drawings and black and white photographs have been satisfied. See paragraphs (a)(2) and (b)(1) of this section."

		The enclose "PETITION 1.84(a)(2) a	ed drawing(s) are in color. Three (3) sets of color drawings and a TO ACCEPT COLOR DRAWINGS)" are attached. 37 C.F.R. §§ and 1.84(b).
	disclose t invention black and an applic utility or d	ne subject matter segistration. The committee in the printe attion, or copy the design patent applies why the color draft (i)  The fection Three	On rare occasions, color drawings may be necessary as the only practical medium by which to ought to be patented in a utility or design patent application or the subject matter of a statutory olor drawings must be of sufficient quality such that all details in the drawings are reproducible in a patent. Color drawings are not permitted in international applications (see PCT Rule 11.13), or in eof, submitted under the Office electronic filing system. The Office will accept color drawings in a cations and statutory invention registrations only after granting a petition filed under this paragraph wings are necessary. Any such petition must include the following: eset forth in § 1.17(h);  (3) sets of color drawings;
	The nate	color of (iv) An am amend	k and white photocopy that accurately depicts, to the extent possible, the subject matter shown in the trawing; and endment to the specification to insert (unless the specification contains or has been previously ed to contain) the following language as the first paragraph of the brief description of the drawings:
	publicatio	n or application j. n with color drawi. formal	ile contains at least one drawing executed in color. Copies of this patent or patent application 18(s) will be provided by the Office upon request and payment of the necessary fee."
		informal	
	B.	Other Paper	s Enclosed
			es of declaration and power of attorney es of abstract er
4.	Additi	onal papers e	nclosed
		Amendmen	
		fee.	cel in this application claims before calculating the filing least one original dependent claim must be retained for filing
		purp □ Add	oses.) the claims shown on the attached amendment. (Claims have been bered consecutively following the highest numbered original
			amendment
	☑	•	Disclosure Statement (37 C.F.R. §1.98)
	NOTE within any under § 1 application	one of the following (1) Within three (1) \$53(4); (2) Within three (1)	(b) An information disclosure statement shall be considered by the office if filed by the applicant ag time periods: nonths of the filing date of a national application other than a continued prosecution application months of the date of entry of the national stage as set forth in § 1.491 in an international ling of a first Office action on the merits; or
		olication, an appli	ensure consideration of information previously submitted but which has not been considered in the cant must resubmit the information, complying with 37 C.F.R. § 7.97 and 37 C.F.R. § 1.98, in the under 37 C.F.R. § 1.53(b). See § 609B(3). M.P.E.P., 7th Edition, Rev. 1
		Citations	1449 (PTO/SB/08A and 08B) of Biological Deposit
		Submission	
		amendment	· · · · · · · · · · · · · · · · · · ·
			nd/or amino acid sequence.

	ш	Representative
		Special Comments
		Other
5.	NOTE: nonprovi. inventors declarati. copy mus being file accompa. a prior ap NOTE identify e other giv. the inven. NOTE: prescribe not filed is s that in accompa.	ration or oath (including power of attorney)  A newly executed declaration is not required in a continuation or divisional application provided that the prior sional application contained a declaration as required, the application being filed is by all or fewer than all the stand in the prior application, there is no new matter in the application being filed, and a copy of the executed on filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The state accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application ed. if the declaration in the prior application was filed under § 1.47, then a copy of that declaration must be filed nied by a copy of the decision granting § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined in a pplication, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)(3).  A declaration filed to complete an application must be executed, identify the specification to which it is directed, each inventor by full name including family name and at least one given name, without abbreviation together with any ten name or initial, and the residence, post office address and country or citizenship of each inventor, and state whether tor is a sole or joint inventor. 37 C.F.R. § 7-63(a)(7)-{4}).  "The in inventorship of a nonprovisional application is that in inventorship set forth in the oath or declaration as about by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § -1.63 is during the pendency of a nonprovisional application, the in inventorship in inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph in inventorship set forth in \$1.17(1) is filed supplying or changing the name or names of the inventor or inventors." 37 1.41 (a)(1).
	☑	Enclosed Executed by
		(check all applicable boxes)
		inventor(s).
		<ul> <li>□ legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.</li> <li>□ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.</li> </ul>
		This is the petition required by 37 C.F.R. § 1.47 and the statement
		required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee:
		Not Enclosed.
	continual	Where the filing is a completion in the U.S. of an International Application or where the completion of the U: S. on contains subject matter in addition to the In international Application, the application may be treated as a tion or continuation-in-part, as the case may be, utilizing ADDED PAGE WAPPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED:
		Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of all the above named inventor(s).
		declaration or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can ed subsequently):
		Showing that the filing is authorized: (not required unless called into question. 37 C.F.R. § 1:41(d))
6.	Invent	torship Statement
	WARNIN of the var	IG. If the named inventors are each not the inventors of all the claims an explanation, including the ownership rious claims at the time the last claimed invention was made, should be submitted:
	The in	eventorship for all the claims in this application are:
		The same
		or

	 	at the time the last claimer is submitted.	d invention was made,	p of the various claims			
		will be submitted.					
7.	Langu	age					
	NOTE: translatio required	on of the non-English language applica	nth or declaration may be filed in a langua; ation and the processing fee of \$130.00 re n such time as may be set by the Office: 37 C.	equired by 37 C.F.R. $\S$ 1:17(k) is			
		English Non-English ☐ The attached trans	slation is a verified translation.	37 CFR 1.52(d).			
8.	Assign	Assignment					
		(DOCUMENT) ACCOM ☐ FORM PTO 1595 is al	ate				
	NOTE: the assig	will follow. "it an assignment is submitted with a nment." Notice of May 4, 1990 (1114 O.	new application, send two separate letters-c G. 77-78).	one for the application and one for			
	WARNIN part appe	G: A newly executed "CERTI lication is filed by an assignee. Notice of	FICATE UNDER 37 C.F.R. § 3.73(b)" mus April 30, 1993, 1150 O.G. 62-64.	st be filed when a continuation-in-			
9.	Public	Publication					
		122(b). This is to certify not been and will not be	is application not be publis y that the invention disclosed the subject of an application f nternational agreement, that ng.	in this application has iled in another country,			
	NOTE:	application filed in another country, or applications eighteen months after filis provided: (1) A request (nonpublication request) (2) The request states in a conspicuous (3) The request contains a certification	•	nt, that requires publication of er 35 U.S.C. 122(b) and § 1.211 ; blished under 35 U.S.C. 122(b); on has not been and will not be the			
	NOTE:		onpublication request is filed, the nonpublica arding Publication of Patent Applications"—				
10.	Certif	ied Copy					
	Certif	ied copy(ies) of application	u(s)				
	count	ry	appl. no.	filed			
	from	which priority is claimed					

	is (are) attached. will follow.
(l)(i) lı applica	37 C.F.R. § 1.55 Claim for fore an original application filed u tion, and within the later of fo

eign priority. "(a)\*\*\*

inder 35 U.S.C. 117(a), the claim for priority must be presented during the pendency of the our months from the actual filing date of the application or sixteen months from the filing date of the prior foreign application. This time period is not extendable. The claim must identify the foreign application for which priority is claimed, as well as any foreign application for the same subject matter and having a filing date before that of the application for which priority is claimed, by specifying the application number, country (or intellectual property authority), day, month, and year of its filing. The time periods in this paragraph do not apply in an application under 35 U.S.C. 111 (a) if the application is:

(A) A design application; or

(B) An application filed before November 29, 2000.

(c) Unless such claim is accepted in accordance with the provisions of this paragraph, any claim for priority under 35 U.S.C. 119(0)-(d) or 365(a) not presented within the time period provided by paragraph (a) of this section is considered to have been waived. If a claim for priority under 35 U.S.C. 119(0)-(d) or 365(0) is presented after the time period provided by paragraph (a) of this section, the claim may be accepted if the claim identifying the prior foreign application by specifying its application number, country (or intellectual property authority), and the day, month, and year of its filing was unintentionally delayed. A petition to accept a delayed claim for priority under 35 U.S.C. 119(a)-(d) or 365(a) must be accompanied by:

(1) The claim under 35 U.S.C. 119(a)-(d) or 365(a) and this section to the prior foreign application, unless previously submitted,

(2) The surcharge set forth in § 1. 17(t); and

### NOTE:

(3) A statement that the entire delay between the date the claim was due under paragraph (a)(1) of this section and the date the claim was filed was unintentional. The Commissioner may require additional information where there is a question whether the delay was unintentional."

### 37 C. F R. § 1.63 Oath or declaration.

"(a) An oath or declaration filed under  $\S$  1.51(b)(2) as a part of a nonprovisional application must:

(c) Unless such information is supplied on an application data sheet in accordance with § 7.75, the oath or declaration must also identify:

(2) Any foreign application for patent (or inventor's certificate) for which a claim for priority is made pursuant to § 1.55, and any foreign application having a filing date before that of the application on which priority is claimed, by specifying the application number, country, day, month, and year of its filing.

The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 C.F.R. § 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or In international Application from which this application claims benefit under 35 U.S.C. § 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

#### 11. Fee Calculation (37 CFR 1.16)

#### $\square$ A. Regular Application

	Number Filed	Number Extra		Rate	Basic Fee
					\$770/385
Total Claims	11	0	X	18/9	\$0
Independent Claims	2	0	Х	86/43	\$0
Multiple Dependent Claim(s), if any			+	<b>290</b> /145	\$0

Amendment canceling extra claims enclosed.
Amendment deleting multiple-dependencies enclosed.
Fee for extra claims is not being paid at this time.

NOTE: If the fees far extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 C.F.R. § 1.16(d).

			Filing Fee Calculation	\$ <u>385.00</u>
B.		Design application		
	(\$340	.00 or \$170.0037 CF	R 1.16(f))	
			Filing Fee Calculation	\$
C.		Plant Application		
	(\$530	.00 or \$265.0037 CF	R 1.16(g))	
			Filing Fee Calculation	\$
Asser	tion of	Small Entity Status		
	Appli	cant hereby asserts sta	tus as a small entity under 33	7 C.F.R. § 1.27
should me the defin paying sing (c)(1) or entitleme applicant words or order to the Office executed pursuant of this che party, of entity ba entitleme filling or small entitle (1).	ent as a small (c) ake a deteritions set finall entity (c)(3) of the comply with the exact apter, but the exact asic national to small the exact asic national to small basic national to small basic national to small the exact as the exact	all entity of the basic filing fee or Assertion of small entity statimination, pursuant to paragraph forth in paragraph (a) of this sec fees, actually make an assertion is section, in the application or p. (1) Assertion by writien its section, in the application or p. (i) Be clean (ii) Be signe (iii) Convey dentity, or that small entity statuer required to assert small entity has the assertion requirement. (2) Parties who can sign (i) One of the status of this chapter notwithstanding, (ii) At least eclaration has not been submitted eption under § 1.33(b) of this part (iii) An assign the partial assignee cannot file the partial assignee cannot file the partial assignee cannot file the (3) Assertion by payment of one of the small entity of the section of the small entity of the status even if the type of be compared to that application (ii) The pay	ry identifiable, and (see paragraph (c)(2) of this section), and the concept of entitlement to small entit is is entitled to be asserted for the applicacy status, the intent to assert small entity is an and file the written assertion. The written he parties identified in § 1.33(b) (e.g., an who can also file the written assertion; one of the individuals identified as an ed), notwithstanding § 1.33(b)(4), who can assertion without resort to a party identifier of the small entity basic filing or basic passertion without resort to a party identification of the small entity basic filing or basic passic filing fees set forth in §§ 1.76(a), (f)(a)(2), (a)(3), (a)(4), or (a)(5), will be assertion that is not applicable to the will be due along with the appropriate surment of any small entity fee other than tho	e and states: neern or nonprofit organization orded small entity status based of ill entity status for the purpose of e manner set forth in paragraph be paid. Is hed by a written assertion of the parament of the purpose of the status, such as by stating the attion or patent. While no specificatus must be clearly indicated in assertion can be signed by; attorney or agent registered with inventor (even though a § 1.6, an also file the written assertion thanding §§ 1.33(b) (3) and 3.73(b) thanding §§ 1.33(b) of this part. Intended under § 1.33(b) of this part. Intended as a written assertion of the small treated as a written assertion of the small treated as a written assertion of the small treated as a written assertion of the small entity basi at application, any balance of the charge set forth in paragraph (c)(3) of se set forth in paragraph (c)(3) of se set forth in paragraph (c)(3) of
		r in the exact fee amount or not)	will not be treated as a written assertion of tus in an application or a patent."	f entitlement to small entity statu

WARNING: 37 C.F.R. § 1.27(c)(4)' "Assertion required in related, continuing, and reissue applications. Status as a small entity must be specifically established by an assertion in each related, continuing and reissue application in which status is appropriate and desired. Status as a small entity in one application or patent does not affect the status of any other application or patent, regardless of the relationship of the applications or patents. The refiling of an application under § 1.53 as a continuation, divisional, or continuation-in-part application (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application, requires a new assertion as to continued entitlement to small entity status for the continuing or reissue application."

12.



WARNING: "Small entity status must not be established when the person or persons signing the . . . statement can unequivocally make the required self-certification." M.P.E.P. § 509.03 (emphasis added).

(complete the following, if applicable)

		Total fees enclosed	\$ <u>385.00</u>
		(\$40.00; 37 CFR 1.21(e))	\$
		(\$130.00; 37 CFR 1.53(d) and 1.21(l)) Fee for international-type search report	\$
		(\$130.00; 37 CFR 1.52(d) and 1.17(k)) Processing and retention fee.	\$
		For processing an application with a specification in a non-English language.	•
		inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached. (\$130.00; 37 CFR 1.47 and 1.17(h))	\$
		(\$40.00; 37 CFR 1.21(h)) Petition fee for filing by other than all the	\$
		Basic filing fee Recording Assignment	\$_385.00
		Not Enclosed No filing fee is to be paid at this time. (This and the surcharge required by 37 CFR 1. Enclosed	16(e) can be paid subsequently.)
14.		ayment Being Made at This Time	
		Please prepare an international-type search retime when national examination on the merits	
		(complete, if applicable)	
13.	Reque	est for International-Type Search (37 CFR 1.104	(d))
	NOTE: A refund based on establishment of small entity status, of a portion of fees timely paid in full prior to establishing status as a small entity may only be obtained if an assertion under § 7.27(c) and a request for a refund of the excess amount an filed within three months of the date of the timely payment of the full fee. The three-month time period is not extendable under 7.136. 37 C.F.R. § 1.28(a).		
		A copy of the written assertion of small entity included.	filed in the prior application is
	and w	hich status as a small entity is still proper and as	serted for this application.
		under: 35 U.S.C. § ☑ 119(e) □ 120 □ 121 □ 365(c)	
	Status as a small entity was asserted in the prior application 60/503,95 filed on 9-18-03, from which benefit is being claimed for this applicat		

# 15. Method of Payment of Fees

abla	Attach	ed is a Check in the amount of \$_385.00
	Author	rization is hereby made to charge the amount of \$ to
		To Deposit Account 50-0897 (SMS001/135211)
		To Credit card as shown on the attached credit card information
		authorization form PTO-2038.

WARNING: Credit card information should not be included on this form as it may become public.

Charge any additional fees required by this paper or credit any overpayment to Deposit Account 50-0897 (SMS001/135211).

A duplicate of this paper is attached.

# 16. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

WARNING: Even though small entity status is accorded where the wrong type of small entity basic filing fee or basic national fee is selected but the exact amount of the fee is paid, applicant still needs to pay the correct small entity amount for the basic filing or basic national fee where selection of the wrong type of fee results in a deficiency. While an accompanying general authorization to charge any additional fees suffices to pay the balance due of the proper small entity basic filing or basic national fee, specific authorizations to charge fees under § 1.17 or extension of time fees do not suffice to pay any balance due of the proper small entity basic filing or basic national fee because they do not actually authorize payment of small entity amounts. Changes To Implement the Patent Business Goals; Final Rule [Fed. Reg.: September 8, 2000, pages 54603-54683, at 54611; OG: October 3, 2000, pages 14-391.

- The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application.
  - ☑ 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)
  - ☑ 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prier to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

- 37 C.F.R. § 1.16(e) (surcharge far filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- $\square$  37 C.F.R. § 1.17(a)(1)--(5) (extension fees pursuant to § 1.136(a)).
- ☑ 37 C.F.R. § 1.17 (application processing fees)

NOTE:. A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge ail required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition far an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1,136(a)(3).

☑ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE: Section 1.311 (b) provides that an authorization to charge the issue fee (§ 1\_18) to a deposit account may be filed in an individual application only after the mailing of the notice of allowance. Accordingly, general authorizations to pay fees and specific authorizations to pay the issue fee that are filed prior to the mailing of a notice of allowance will generally not be treated as requesting payment of the issue fee and will not be given effect to act as a reply to the notice of allowance. Applicant, when paying the issue fee, should submit a new authorization to charge fees, such as by completing box 6b an the current PTOI -858

form. Where no reply to the notice of allowance is received, the application will stand abandoned notwithstanding the presence of general authorizations to pay fees or a specific authorization to pay the issue fee that were submitted prior to mailing of the notice of allowance. Where an attempt is made to pay the issue fee but an incorrect amount is submitted, § 1.31 1(b)(1) or where the Office's issue fee transmittal form (currently PTOL-85(B)) is completed by applicant and submitted, § 1-311(b)(2), in reply to a notice of allowance, an exception will be made. Such submissions will operate as a request to charge the issue fee to any deposit account identified in a previously filed (i.e., submitted prior to the mailing of the notice of allowance) authorization to charge fees, and will be allowed to act as payment of the correct issue fee. § 1.311(b). See also the change to § 1.26(b). Notice of September 8, 2000, Fed. Reg, 54603-54683, at 54646 and 54647.

NOTE 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application... prior to paying, or at the time of paying,... the issue fee..." From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity,

	notificat	ion is required if the change is to another small entity,			
17.	Instructions as to Overpayment				
			be returned unless specifically requested within a reasonable er twenty-five dollars may be returned by check or, if requested 01/135211)		
18.	Incorp	porated Pages	ı		
	☑	Incorporation by reference of added pages (check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-1-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)			
	☑	Plus Added Pages for New Applic U.S. Application(s) Claimed	ation Transmittal Where Benefit of Prior  Number of pages added6		
		Plus Added Pages for Papers Refer added	red to in Item 4 Above Number of pages  Number of pages added		
			f inventors) named in prior application(s) of the subject matter claimed in this Number of pages added		
		Plus "Assignment Cover Letter Acce			
		·	Number of pages added		

# ☐ Statement Where No Further Pages Added

(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item)

☐ This transmittal ends with this page.

Date: MAR 22, 2004

Brett T. Cooke Reg. No.: 55,836

Andrews Kurth LLP 600 Travis, Suite 4200 Houston, Texas 77002 Tel. No.: (713) 220-4726 Fax. No.: (713) 238-7340

Customer No. 23,444

# ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED (37 C.F.R. § 1.78)

#### 17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. § 126, 121 or 365(c), the 20year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. § 120, 127 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. § 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

Amend the specification by inserting, before the first line following the title, the  $\square$ following sentence:

#### 35 U.S.C. § 119(e) Α.

NOTE:

37 C.F.R. § 1.78(a)(4) and (5):

(4) A nonprovisional application, other than for a design patent, or an international application designating the United States of America may claim an invention disclosed in one or more prior-filed provisional applications. In order for an application to claim the benefit of one or more prior-filed provisional applications, each prior-filed provisional application must name as an inventor at least one inventor named in the later-filed application and disclose the named inventor's invention claimed in at least one claim of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed provisional application must be entitled to a filing date as set forth in § 1.53(c), and the basic filing fee set forth in § 1.16(k) must be paid within the time period set forth in § 7.53(g).

"(5)(i) Any nonprovisional application or international application designating the United States of America claiming the benefit of one or more prior-filed provisional applications must contain or be amended to contain a reference to each such prior-filed provisional application, identifying it by the provisional application number (consisting of series code and serial

(ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 171(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed provisional application. If the later-flied application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 37'l, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371 (b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed provisional application. These time periods are not extendable. Except as provided in paragraph (a)(6) of this section, the failure to timely submit the reference is considered a waiver of any benefit under 35 U.S. C. 719(e) to such prior-filed provisional application. The time periods in this paragraph do not apply if the later-filed

(A) An application filed under 35 U.S.C. 111 (a) before November 29, 2000, or

(B) A nonprovisional application which entered the national stage after compliance with 35 U.S. C. 371 from an international application filed under 35 U.S. C. 363 before November 29, 2000.

(iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 7.76), or the specification must contain or be amended to contain such reference in the first sentence following the title.'

 $\square$ This application claims the benefit of U.S. Provisional Application(s) No(s).:

**APPLICATION NO(S).:** 

**FILING DATE** 

60/503,957

09/18/2003

WARNING.

37 C.F.R. § 1.78(5)(iv): "(iv) If the prior-filed provisional application was filed in a language other than English and an English-language translation of the prior-filed provisional application and a statement that the translation is accurate were not previously filed in the prior-filed provisional application or the later-filed nonprovisional application, applicant will be notified and given a period of time within which to file an English-language translation of the non-English-language prior-filed provisional application and a statement that the translation is accurate. In a pending nonprovisional application, failure to timely reply to such a notice will result in abandonment of the application."

# Language of Prior Filed Provisional Application

(Supply information for each provisional whose benefit is being claimed)

	ve identified prior filed provisional application whose benefit is being claimed
	was filed in the English language was filed in a language other than English and an English translation along with a statement that the translation is accurate was filed in the provisional application
	was filed in a language other than English and an English translation along with a statement that the translation is accurate is filed herewith
<b>B.</b> 3	35 U.S.C. Sections 128, 121 and 365(c)
WARNIN	3. The applicable provisions for the time and manner of claiming the benefit of a prior U.S. application filing date are set forth in 37 C.F.R. § 1. 78(a)(1) and (2) as follows:  "(a)(1) A nonprovisional application or International application designating the United States of America may claim an invention disclosed in one or more prior-filed co-pending nonprovisional applications designating the United States of America. In order for an application to claim the benefit of a prior-filed co-pending nonprovisional application or international application designating the United States of America, each prior-filed application must name as an inventor at least one inventor named in the later-filed application and disclose the named inventor's invention claimed in at least tone claim of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed application must be:  (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or  (i) Complete as set forth in § 1.51(b), or  (ii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or  (iii) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(1) within the time period set forth in § 1.3(f).  (2)(ii) Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application international application designating the United States of America claiming the benefit of one or more prior-filed co-pending nonprovisional applications or international applications designating the United States of America or must contain or be amended to contain a reference to each such prior-filed application admitted for the prior-filed applications may be made when appropriate (see § 7.1

under this section is the identification of every application assigned that application number necessary for a specific reference required by 35 U.S.C. 120 to every such application assigned that application number. П "This application is a continuation continuation-in-part divisional of co-pending application(s) application number \_\_\_\_\_ filed on \_\_\_\_" International Application \_\_\_\_\_ filed on \_\_\_\_ and which designated the U.S." The proper reference to a prior filed PCT application that entered the U.S. national phase is the U.S. serial number and the filing NOTE: date of the PCT application that designated the U.S. NOTE: (1) Where the application being transmitted adds subject matter to the International Application, then the filing can be as a continuation-in-part or (2) if it is desired to do so for other reasons then the filing can be as a continuation. The nonprovisional application designated above, namely application filed, claims the benefit of U.S. Provisional Application(s) No(s).: **APPLICATION NO(S).: FILING DATE** C. Publication of International Application----Provisional Application NOTE: 35 U.S.C. 154 Contents and term of patent; provisional rights. (d)(4) REQUIREMENTS FOR INTERNATIONAL APPLICATIONS (A) EFFECTIVE DATE.-The right under paragraph (1) to obtain a reasonable royalty based upon the publication under the treaty defined in section 351(a) of an international application designating the United States shall commence on the date on which the Patent and Trademark Office receives a copy of the publication under the treaty of the international application, or, if the publication under the treaty of the international application is in a language other than English, on the date on which the Patent and Trademark Office receives a translation of the international application in the English language. The international application corresponding to the instant application was was not published under PCT Article 21(2) in the English language.

# 18. Relate Back-35 U.S.C. § 119 Priority Claim for Prior Application

NOTE 37 C.F.R. § 1.55 Claim for foreign priority.

"(a) An applicant in a nonprovisional application may claim the benefit of the filing date of one or more prior foreign applications under the conditions specified in 35 U.S.C. 119(a) through (d) and (f) 172, and 355(a) and (b). (1)(i) In an original application filed under 35 U.S.C. 111(a), the claim for priority must be presented during the pendency of the

An English translation of the international application is attached.

(1)(i) In an original application filed under 35 U.S.C. I II(a), the claim for priority must be presented during the pendency of the application, and within the later of four months from the actual filing date of the application or sixteen months from the filing date of the prior foreign application This tune period is not extendable. The claim must identify the foreign application for which priority is claimed, as well as any foreign application for the same subject matter and having a filing date before that of the application for which priority is claimed, by specifying the application number, country (or intellectual property authority), day, month, and year of its filing. The time period in this paragraph does not apply to an application for a design patent.

(ii) In an application that entered the national stage from air international application after compliance with 35 U.S. G. 371, the claim for priority must be made during the pendency of the application and within the time limit set forth in the PCT and the Regulations under the PCT.'

(2) The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) or PCT Rule 17 must, in any event, be filed before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after

the date the issue fee is paid, it must be accompanied by the processing fee set forth in  $\S$  1. 17(x), but the patent will not include the priority claim unless corrected by a certificate of correction under 35 U.S.C. 255 and  $\S$  1.323.

The prior U.S. application(s), including any prior International Application designating the U.S.,

identii	fied	above in it	tem 17B, in turn	itself claims) foreign priority(ies)	as follows:	
	Country			Appln. No.	Filed	
The co	ertif	ied copy(ie	es) has (have)			
			filed on	, in prior application	which was filed	
		is (are	e) attached.			
WARNIN	VG:	not be relied of because the ce not assigned a entered. There An alternative application. To certified copie priority docum	on without any need to ertified copy of the pri U.S. serial number un efore, such certified co would be to physical the resources required es, enter and make a	clication that may have been communicated to the file a certified copy of the priority application in ority application communicated by the Internation less the national stage is entered. Such folders are by several to a capital by remove the priority documents from the folder to request transfer, retrieve the folders, make serecord of such copies in the Continuing Applicational applications that have not entered the 32 to 46).	the continuing application. This is so all Bureau is placed in a folder and is disposed of if the national stage is not osecution of a continuing application is and transfer them to the continuing uitable record notations, transfer the tion are substantial. Accordingly, the	
19.	Mai	intenance	of Co-pendenc	y of Prior Application		
NOTE:	TE: The PTO finds it useful if a copy of the petition filed in the prior application extending the term for response is filed with the papers constituting the filing of the continuation application. Notice of November 5, 1985 (1060 O.G. 27).					
	A.		Extension of	time in prior application		
(This item must be completed and the papers filed in the prior application, if t prior application has run.)				ication, if the period set in the		
		A pet	ition, fee and re	sponse extends the term in the pen	ding prior application until	
		A cor	by of the petition	n filed in prior application is attach	ed.	
	В.			Petition for Extension of Time in Pratem, if previous item not applicable)	ior Application	
			A conditional petition for extension of time is being filed in the pending			
			cation.  py of the conditi	onal petition filed in the prior appl	ication is attached.	
20. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed  (complete applicable item (a), (b) and/or (c) below)					• • • • • • • • • • • • • • • • • • • •	
			(complete t	applicable tiem (u), (b) unwor (c) below)		

a)	<ul> <li>☑ This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application are</li> <li>☑ the same.</li> <li>☐ less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted:</li> </ul>			
	(type name(s) of inventor(s) to be deleted)			
b)	<ul> <li>□ This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application, the inventor(s) in this application are</li> <li>□ the same.</li> <li>□ the following additional inventor(s) have been added:</li> </ul>			
	(type name(s) of inventor(s) to be deleted)			
c)	The inventorship for all the claims in this application are  ☐ the same.  ☐ not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made  ☐ is submitted.  ☐ will be submitted.			
21.	Abandonment of Prior Application (if applicable)			
	Please abandon the prior application at a time while the prior application is pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make this application co-pending with said prior application.			
NOTE:	According to the Notice of May 13, 1983 ('103, TMOG 6-7), the filing of a continuation or continuation-in-papplication is a proper response with respect to a petition for extension of time or a petition to revive and sho include the express abandonment of the prior application conditioned upon the granting of the petition and granting of a filing date to the continuing application.			
22.	Petition for Suspension of Prosecution for the Time Necessary to File an Amendment			
WARNIN				
NOTE:	Where it is possible that the claims on file will give rise to a first action final for this continuation application and for some reason an amendment cannot be filed promptly (e.g., experimental data is being gathered) it may be desirable to file a petition far suspension of prosecution for the time necessary.			

(check the next item, if applicable) There is provided herewith a Petition To Suspend Prosecution for the Time Necessary to File An Amendment (New Application Filed Concurrently) 23. **Small Entity (37 C.F.R. § 1.28(a))** Applicant has established small entity status by the filing of a statement in parent application 60/503,957 on 09/18/2003. A copy of the statement previously filed is included. **WARNING**: See 37 C.F.R. § 7.28(a). "Small entity status must not be established when the person or persons signing the . . . statement can unequivocally make the required self-certification." M.P.E.P. § 509.43, 7th ed. (emphasis added). **WARNING**: 24. NOTIFICATION IN PARENT APPLICATION OF THIS FILING A notification of the filing of this (check one of the following)

is being filed in the parent application, from which this application claims priority

continuation

continuation-in-part divisional

under 35 U.S.C. § 120.